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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/089,765

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Mauro Costa

costa 5-3-4-4

2874

7590

09/29/2005

Lucent Technologies Inc
Docket Administrator
Room 3C 512
600 Mountain Avenue PO Box 636
Murray Hills, NJ 07974-0636

EXAMINER

APPIAH, CHARLES NANA

ART UNIT

PAPER NUMBER

2686

DATE MAILED: 09/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/089,765	COSTA ET AL.	
	Examiner	Art Unit	
	Charles N. Appiah	2686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2 and 4-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2 and 4-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

by

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 2, 4-12 has been considered but is moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 10s

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claim 2 is rejected under 35 U.S.C. 102(e) as being anticipated by Wheeler et al. (US 2004/0002337).

Regarding claim 2, Wheeler discloses a method for a terminal in a UMTS and IP mobile telecommunications network to register its position by using UMTS 'register request' messages, and/or UMTS 'register complete' messages, to transmit IP information for IP registration (MS transferring signaling information to the radio network-wrapped within signaling information protocol RRC in UMTS) as an IP registration message, see page 3, [0057-0080], page 4, [0085-0099).

4. Claims 2 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by **Bharatia (6,763,233)**.

Regarding claim 2, Bharatia discloses as illustrated in Figs. 3-5, a method for a terminal in a UMTS and IP mobile telecommunications network to register its position by using UMTS "register request" messages (registration request), and/or UMTS (3G standards, see col. 5, lines 26-34) "register complete" (registration notification and

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registration confirmation) messages to transmit IP information for IP registration (with UMTS (UTRAH) base station as well as GERAN base station supporting wireless communications for both a legacy 2G terminal and a 3G terminal, see col. 9, lines 1-66, col. 10, lines 13-46).

Regarding claim 8, Bharatia discloses a method (see Figs. 6 and 7), for a mobile terminal in a UMTS (legacy 2G network) and IP mobile telecommunications network (3G network), to update its location by using UMTS 'location update' messages and/or UMTS 'location update complete' messages, to transmit IP information for IP location update SGSN sending Update Location message and update Location acknowledgment message, see col. 13, lines 3-60).

Claim Rejections - 35 USC § 103

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 4-7 and 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Bharatia** as applied to claims 2 and 8 above, and further in view of **Chang et al. (6,487,406)**.

Regarding claims 4-7 Bharatia fails to specifically disclose wherein fields of information relevant to the IP domain are sent with the 'register request message', wherein the fields are type of home address, type of care of address (COA), and optionally any of the following: home IP address, home agents (HA) address and last used COA, wherein additional fields of information are sent with the 'register complete'

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message, and wherein the additional fields comprise home address, COA type and COA

In an analogous field of endeavor, Chang discloses a method and system for providing mobile IP connectivity to mobile stations connected to a PCS network in, which fields of information relevant to the IP domain are with the 'register req' message (see col. 7, lines 7-17), wherein the fields are type of home address, type of care of address (COA), and, optionally, any of the following: home IP address, home agents (HA) address and last used COA (see col. 7, lines 7-47), and additional fields of information are sent with the 'register complete' message (see col. 6, line 65 to col. 7, line 17, and col. 7, lines 47-55), and the fields comprise home address, COA type and COA (see col. 8, line 55 to col. 9, line 16).

It would therefore have been obvious to one of ordinary skill in the art to combine Chang's seamless mobile IP connectivity method with Bharatia's system for roaming between inter-generational wireless networks in order to facilitate the provision of a protocol and system which provides seamless IP mobility across multiple networks for a mobile host having a static IP address but can still change its point of attachment to the Internet as taught by Chang.

Regarding claims 9-12 Bharatia fails to explicitly teach wherein additional fields of information relevant to the IP domain are sent with the 'location update' message, the additional fields comprise home address, COA type and COA and the additional fields are sent with the 'location update complete' message, wherein the additional fields comprise type and COA.

Chang discloses using 'locate update' and/or 'location update complete' messages to detect IP information, wherein additional fields of information relevant to the IP domain are sent with the 'location update' message, with the additional fields comprise home address, COA type and COA and the (see col. 5, line 61 to col. 6, line 8 and col. 6, lines 57-65), additional fields are sent with the 'location update complete' message, wherein the additional fields comprise type and COA (see col. 10, lines 35-48).

It would therefore have been obvious to one of ordinary skill in the art to combine Chang's seamless mobile IP connectivity method with Bharatia's system for roaming between inter-generational wireless networks in order to facilitate the provision of a protocol and system which provides seamless IP mobility across multiple networks for a mobile host having a static IP address but can still change its point of attachment to the Internet as taught by Chang.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Das et al. (US 2002/0026527) discloses a system for facilitating mobility of a mobile node within a mobile IP network.

Gremmelmaier (6,308,267) discloses an arrangement for mobile communications having an IP link.

Agrawal et al. (US 2004/0024901) discloses a system for facilitating intra-domain mobility.

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8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles N. Appiah whose telephone number is 571 272-7904. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CA


CHARLES APPIAH
PRIMARY EXAMINER